



INSPECTION REPORT

Alaska Department of Environmental Conservation

Division of Water
410 Willoughby Ave, Juneau, AK 99811

ADEC Inspection Form
Last updated (4/08)

Inspector:
Kenwyn George
907-465-5313

Section A: General Data

Inspection Date	Permit #	Borough	Receiving Waters	Weather	Facility Type
April 15, 2010	AK-005057	N/A	E. Fork Slate Creek	Fine, temps in mid 40's..	Tailings Treatment Facility
Discharges to: Surface Water <input checked="" type="checkbox"/> Ground Water <input type="checkbox"/>				ANNOUNCED Inspection	

Section B: Facility Data

Name and Location of Site/ Facility Inspected		Entry Time	Permit Effective Date												
Tailings Treatment Facility (TTF) dam construction and Acid Rock Drainage area adjacent to LSL. Comet WTP expansion		10:20	September 1, 2005												
		Exit Time 12:30	Permit Expiration Date August 31, 2010												
Loc: Lat: 58d 49' 58"N Long: 134d 57' 58"W Source: NPDES permit															
On-Site Representative		Additional Participants:													
Kevin Eppers, Env. Superintendent, Jeff Stacy, Coeur Construction Manager		Chad Hood, USFS													
Responsible Official(s):															
Clyde Gillespie, Surface Operations Manager, Kevin Eppers, Environmental Superintendent x Contacted		<table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> </tr> <tr> <td>Samples Taken?</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td>Photos Taken?</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td>Analytical Results?</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> </table>			Yes	No	Samples Taken?	X	X	Photos Taken?	X	X	Analytical Results?	X	X
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Samples Taken?	X	X													
Photos Taken?	X	X													
Analytical Results?	X	X													
Clyde: 523-3309 Kevin: 523-3328															

Section C: Findings/Comments

FIELD INSPECTION

USFS plane departed Juneau for the site at 9:10 AM, arrived at the LSL site at 10:20 AM, departed Kensington/Comet beach 12:30 PM and returned to Juneau via USFS chartered Ward Air plane.

Tailings Treatment Facility

Rain for Rent portable treatment units are in place at the base of the dam (Photo 1). They are planned to be operational in 4-5 days.

Drill rigs are ready to commence grouting around the dam (Photo 2); the tentative schedule to start this is next Wednesday.

Work was under way on the bypass Parshall Flume and chamber for the pipe connection (Photo 3). The pipe had been laid from the chamber down the hillside and under the road (Photo 4).

Preparatory work was underway at the TTF treatment plant, placing and compacting rock under the footings for the walls (Photo 6). The proposal is to pour concrete for the foundation next Tuesday.

ARD site seep water treatment

Water was standing in the sump and the polyethylene liner was below the level of the water (Photo 5). It also appears to be lapped, rather than welded, but this may have been an artifact of what could be observed. This liner should be re-established to prevent outflow of collected seepage water into the surrounding rock containment. The plant operator said there was water in the sump because it had just been brought over from the ARD seepage collection tank at Pit 4 for treatment in the facility. The pH of the water from Pit 4 was said to be around 7.0. The plant was operating at approximately 29 gpm.

Tailings slurry pipeline.

No work was being done on the line.

Storm water

No issues. Maintenance work and road improvements had been done on the road to the TTF.

Comet Mine Dewatering Water Treatment Facility.

The concrete foundation and stub walls had been constructed (Photo 7). There is a considerable amount of sediment that has built up in Pond 1 (Photo 8). The vacuum truck removes this sediment and parts are awaited for its repair.

Other

Ore is being mined and placed on the bench above the mill crusher loading location. Work was underway on excavation of a chamber for the underground paste plant.

SAMPLING ACTIVITIES – None conducted.

SUMMARY

Any issues requiring action by Coeur or the state agencies?

1. Re-locate the liner in the ARD seepage water collection sump and ensure it makes a watertight seal such that it is able to contain the water.
2. Remove sediments from Pond 1 as soon as convenient.

Section D: Compliance/Recommendations

ADMINISTRATIVE VIOLATIONS

None

POTENTIAL WATER QUALITY VIOLATIONS

None.

Section E: Appendices

1: Photographic record.

Signature		Signature only acknowledges receipt of this report. Inspection report given to:	
			
04/19/10			
Inspector Division of Water	Date	Company (if applicable):	Date

PHOTO ADDENDUM – KENSINGTON TAILINGS DISPOSAL FACILITY –APRIL 15, 2010



PHOTO 1. RAIN-FOR-RENT TANKS AT FAR SIDE OF DAM



PHOTO 2. GROUT DRILL RIGS AT BASE OF DAM



PHOTO 3. BYPASS PARSHALL FLUME/PIPE CONNECTION



PHOTO 4. BYPASS PIPE AFTER PARSHALL FLUME GOING DOWN THE HILLSIDE.

PHOTO ADDENDUM – KENSINGTON TAILINGS DISPOSAL FACILITY –APRIL 15, 2010



PHOTO 5. ARD SUMP BELOW SEEP WTP



PHOTO 6. PREPARATION FOR TTF TREATMENT PLANT WALL FOUNDATION



PHOTO 7. COMET WTP EXPANSION



PHOTO 8. SEDIMENT IN POND1 AT COMET WTP